Air Quality Summary—May 2013

Baton Rouge Area

OZONE

There were two days that exceeded the National Ambient Air Quality Standard (NAAQS) for ozone in the Baton Rouge area during the month of May, 2013. Please see the table below and the graph on page two for daily air quality index levels in the Baton Rouge area during May.

No Action Days were called for the Baton Rouge area during the month of May.

$PM_{2.5}$

There were no violations of the NAAQS for $PM_{2.5}$ in the Baton Rouge area during the month of May, 2013. Please see the graph and table on the next page for detailed information on $PM_{2.5}$ levels throughout the state.

Other Areas of the State

OZONE

There were two days that exceeded the National Ambient Air Quality Standard (NAAQS) for ozone in areas of the state other than Baton Rouge during the month of May, 2013. Please see the table below for details.

No Action Days were called for any area of the state during the month of May.

$PM_{2.5}$

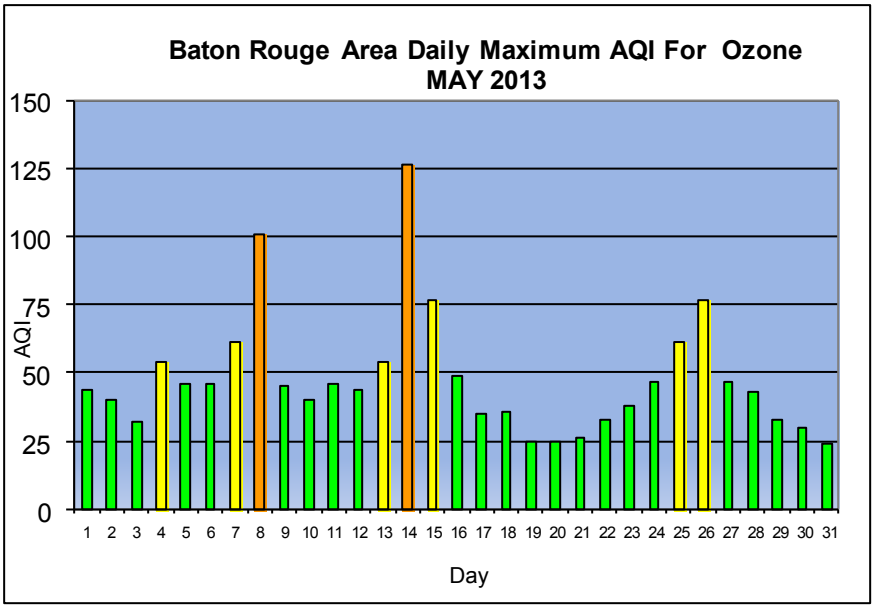
There were no violations of the NAAQS for $PM_{2.5}$ during the month of May, 2013. Please see the graph and table on the next page for detailed information on $PM_{2.5}$ levels throughout the state.

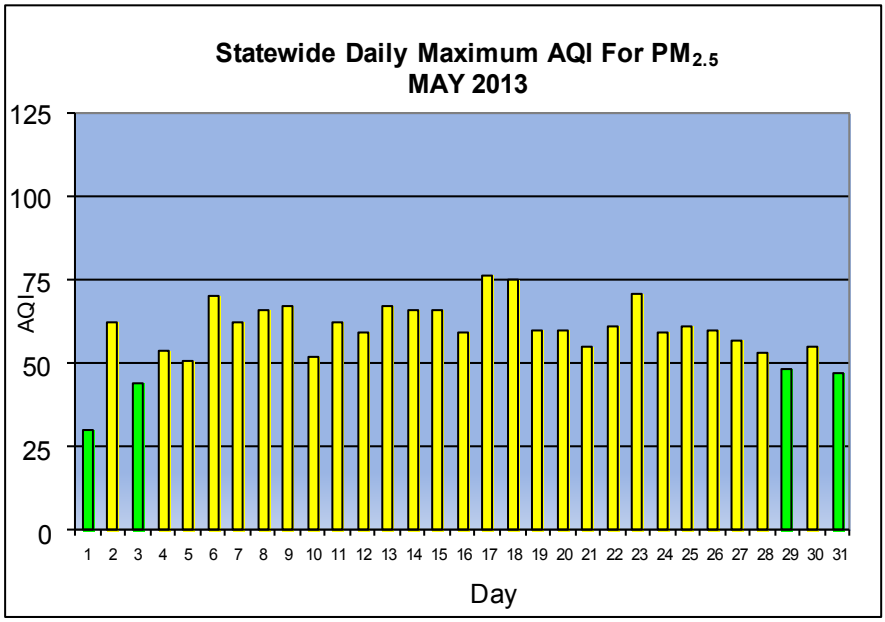
Statewide 8-HR Ozone Readings
Above 75 ppb - May 2013

DATE	AQI	8-HR OZONE Concentration (ppb)	MONITORING SITE
5/8/2013	101	76	Madisonville
	101	76	Pride
5/14/2013	129	87	Madisonville
	127	86	Pride

Air Quality Summary—May 2013

AQI AIR QUALITY INDEX | Good | Moderate | Unhealthy for Sensitive Groups | Unhealthy | Very Unhealthy | Hazardous





Statewide High PM2.5 24-Hour Average Readings - MAY 2013			
DAY	UG/m3	AQI	SITE
1	7.2	30	Shreveport Airport
2	17.1	62	Monroe
3	10.5	44	Monroe
4	13.6	54	Monroe
5	12.2	51	Monroe
6	21	70	Westlake
7	17.4	62	Monroe
8	19.2	66	Monroe
9	19.5	67	Monroe
10	12.4	52	Monroe
11	17.5	62	Monroe
12	16.1	59	Monroe
13	19.7	67	Monroe
14	19	66	Monroe
15	19	66	Monroe
16	15.7	59	Port Allen
17	24.2	76	Monroe
18	23.6	75	Monroe
19	16.4	60	Monroe
20	16.3	60	Lafayette
21	14	55	Monroe
22	16.9	61	Monroe
23	21.6	71	Monroe
24	16	59	Monroe
25	16.8	61	Monroe
26	16.5	60	Monroe
27	15.1	57	Monroe
28	12.9	53	Monroe
29	11.6	48	Monroe
30	13.8	55	Lafayette
31	11.2	47	Monroe

*PM2.5 values contained in this report are not comparable to the National Ambient Air Quality Standards (NAAQS). Attainment of standards is based on the Federal Reference Method (FRM) PM2.5 monitors that are collocated with the continuous monitors statewide. For a list of these monitors, please visit LDEQ's website at www.deq.louisiana.gov/portal/DIVISIONS/Assessment/AirFieldServices/AmbientAirMonitoringProgram.aspx

Baton Rouge Climate Summary: May 2013

(based on available data as of 15 July 2013)

May Weather Highlights:

- *the third consecutive cooler-than-normal month of 2013 for Baton Rouge*
- *a second wetter-than-normal spring month for the metro area*

May 2013's monthly average temperature was 72.4°F for Baton Rouge's Metro Airport (AP), more than 3° below the monthly norm. May 2013 ranks among the coolest one-fifth of all past Mays since 1905 and is Baton Rouge's coolest May on the books since 1993. After a "warm" 2012-2013 winter (Dec-Feb), the 2013 spring (March-May) has averaged more than 3° below the norm for Baton Rouge, making this the "coolest" spring in 20 years and among the handful of coolest springs ever.

Daily temperatures (Fig. 1 and Appendix 1) tended to be below-normal for most of the first half of May but stabilized to something relatively near-normal for most of the latter half of the month. Not surprisingly, the two notable dips in the daily temperature series during the first half of May are the result of continental air-mass intrusions on the heels of cold front passages.

May's lowest temperature was a cool 40°, recorded on the 4th. Records show that 40° ties the all-time lowest temperature ever for Baton Rouge during May. There were four consecutive days (May 3-6) with daily minimums in the 40°s, with minimums in the 50°s on six additional dates: all of May's 40°s and 50°s occurred during the first half of the month. At the other extreme, daily minimums in the 70°s were recorded on six May dates, including a four-day run during May 18-21. May 2013's absolute daily maximum was 91° on the 20th, with highs of 90° recorded on May 21, 23 and 24. Daily highs reached 80° or more on 23 dates, including every day from May 12th through month's end. However, there were a few cool afternoons during early May, including a daily maximum of 68° on the 3rd and of only 65° on the 5th.

Cooler-than-normal May temperatures meant that monthly Heating Degree-Days (HDDs) were above normal for metro Baton Rouge while Cooling Degree-Days were considerably lower than normal -- the same pattern as observed in April. The "cool" spring has offset the reduction in HDDs ("heating demand") established during the winter months, resulting in near-normal HDD accumulations for the HDD season (July to June). On the other hand, the spring run of cooler-than-normal weather has meant that CDDs for 2013 are running well-below normal thus far this year -- that should yield a measurable decrease in the typical spring-season energy-demands for indoor air-conditioning.

Table 1: May 2013 Temperature and Degree-Day Summaries

Temperatures & Departures (°F)

Monthly MeanT		Monthly MaxT		Monthly MinT		M-A-M MeanT		YTD MeanT	
72.4°	-3.3°	82.8°	-3.4°	61.9°	-3.3°	65.0°	-3.5°	61.0°	-1.4°

Cooling Degree-Days & %Normal				Heating Degree-Days & %Normal			
Monthly CDDs		Seasonal* CDDs		Monthly HDDs		Seasonal* HDDs	
266	80%	423	75%	30	1500%	1551	100%

*CDD Season: Jan 1 thru Dec 31 *HDD Season: Jul 1 thru Jun 30

Metro Airport (AP) recorded 7.03" of rain during May 2013, 2.14" above the 30-year normal. May rains continued the wetter-than-normal pattern established for the metro area during April. Although far from record, May 2013 ranks among the top 25% of all Mays in terms of rainfall and is the wettest May since 2008. In addition, it is noteworthy that Metro AP's May rain total was among the lowest reported across the metro area (see Tables 2 & 3) – an outcome similar to the regional pattern observed during April.

For the period of January through May, Metro AP's 2013 cumulative rainfall stands at 38.18", more than 13" above the five-month normal. Rainfall through the first five months of 2013 ranks among the eight greatest totals for the Jan-May period for Baton Rouge (records back through 1888) and is the largest Jan-May total at Metro AP since 1995.

Rainfall for the past two months (April-May) at Metro AP totals 13.23", nearly 4" above the normal. This ranks as the wettest April-May for Metro AP since 2004 and among the top quarter of all April-May totals since 1888. But maybe of more significance is that 2013 breaks a recent spring rainfall trend: April-May rainfall for Metro AP has been below-normal for 10 of the past 14 years (2000-2013) and four of the last five (2009-2013). Why is this important? Dry springs often lead to depleted soil-moisture as we head into the "high sun" months and can increase the threat for summer drought.

Table 2: Distribution of May 2013 rain totals based on sites (Table 2) with complete monthly records for the month (31 sites).

No. Sites ≤ 6.00"	No. Sites 6.01" - 7.00"	No. Sites 7.01" - 8.00"	No. Sites 8.01" - 9.00"	No. Sites 9.01" - 10.00"	No. Sites > 10.00"
1	2	10	8	5	4

Based on the 30 sites in Table 3 (with complete monthly totals), metro area regional rainfall for May 2013 averaged 8.41" with a group median of 8.24" -- both values are more than 3" above the May regional average (roughly 4.7"). May rainfall was above-normal area-wide -- for the dozen NWS Cooperative sites with complete reports, five recorded 8" or more of rain, with four sites posting rainfall departures in excess of +4" for the month.

BR-Sherwood Forest, Plaquemine, Inniswold 2.8 S and Shenandoah 1.5 E each reported more than 10" of rain for May. Livingston was the driest location in the metro area with less than 6" of rain for the month, with Clinton 5 E and St. Francisville as the only other metro area sites (in Table 3) recording less than 7" of rain duirng May -- yet even these "drier" locations recorded above-normal May rainfall.

Area stations averaged 10 raindays for the month (Metro AP averages 7-8 raindays for May), with most sites also reporting 2 to 4 days with '24-hour' totals of one-inch or more (compared to a Metro AP average of 1-2 days during May with 1" or more of rain).

Figure 1 shows the two big rain events of the month: May 10-11 and May 22-23. Not surprisingly, virtually every site in the greater Baton Rouge metro area reported their largest single-day totals during one of these two events. Two-day totals topped 4" for a number of sites during May 10-1; while rain totals for May 22-23 were not quite as large at most locations, two-day totals of 3" or more were not uncommon for that event.

Table 3: May 2013 rainfall for selected sites across the greater Baton Rouge metro area. (Data are preliminary and provided courtesy of the National Weather Service, the LSU Southern Regional Climate Center, the LSU AgCenter, and the CoCoRaHS Volunteer Network.)

Rain-Reporting Site	Monthly Rainfall Total	DFN	No. Days ≥0.01" ≥1.00"		Year-to-Date Total	DFN
NWS Cooperative Stations						
BR – Metro Airport	***7.03"***	***+2.14"***	***9***	***2***	***38.18"***	***+13.66"***
BR - Concord Estates	8.04"	+2.95"	9	3	45.93"	+20.17"
BR - Sherwood Forest	10.58"	+5.42"	11	4	46.40"	+19.95"
Clinton 5 SE	6.55"	+1.67"	11	2	35.56"*(i)*	M
Denham Springs	8.74"*(i)*	--	--	--	40.63"*(i)*	M
Dutchtown #2	7.12"	--	12	2	43.09"	--
Gonzales	7.23"	+2.90"	11	4	39.48"	+15.06"
Livingston	5.47"	+0.62"	7	2	39.03"	+13.40"
New Roads	7.67"	+2.90"	9	3	44.68"	+23.35"
Oaknolia	7.48"	+2.92"	9	2	38.36"	+16.37"
Plaquemine	11.25"	+6.84"	11	4	43.87"	+24.26"
Port Allen	9.61"	+4.60"	8	3	41.85"	+16.55"
St. Francisville	6.71"	+2.00"	10	3	39.30"	+12.92"
St. Gabriel	9.06"	+4.65"	10	4	39.35"	+16.56"
CoCoRaHs Volunteer Observers						
Baton Rouge 2.7 SW (LA-EB-2)	8.00"	--	11	3	44.84"	--
Baton Rouge 3.5 E (LA-EB-14)	9.97"	--	10	4	45.28"	--
Baton Rouge 2.5 E (LA-EB-27)	8.12"	--	11	4	42.14"	--
Baton Rouge 4.3 S (LA-EB-41)	7.59"	--	11	3	42.89"	--
Baton Rouge 1.4 WSW (LA-EB-46)	8.35"	--	9	3	44.18"	--
Baton Rouge 5.3 S (LA-EB-47)	8.52"	--	9	3	46.30"	--
Baton Rouge 2.1 S (LA-EB-48)	7.91"	--	8	3	44.63"	--
Brownfields 4.0 E (LA-EB-23)	8.85"	--	12	2	M	--
Central 2.2 SE (LA-EB-31)	8.78"		10	4	40.41"*(i)*	--
Inniswold 2.8 S (LA-EB-42)	10.86"	--	10	5	44.66"	--
Shenandoah 1.5 E (LA-EB-22)	10.73"	--	12	5	42.99"	--
Zachary 3.5 WNW (LA-EB-28)	9.04"	--	10	2	42.99"*(i)*	--
Gonzales 4.0 S (LA-AS-5)	9.19"	--	11	3	41.66"	--
Prairieville 1.8 NW (LA-AS-10)	8.04"*(i)*	--	M	M	40.97"*(i)*	--
Port Vincent 4.4 W (LA-AS-2)	6.25"*(i)*	--	M	M	43.28"*(i)*	--
Wakefield 0.9 WNW (LA-WF-4)	7.72"	--	10	2	36.34"*(i)*	--
Additional Metro Area Sites						
LSU Campus (LA-EB-33)	8.53"	--	9	3	45.20"	--
WAFB-TV, Downtown BR	7.63"	--	10	2	38.74"	--
LSU Ben Hur Farm	8.84"	--	8	4	43.94"	--
Regional Average	8.41"	+3.30"	10	3	42.68"	+17.48"
Regional Median	8.24"	+2.91"	10	3	43.09"	+16.55"

DFN - Departure-from-Normal "--" - Not Available
M - Missing Value *(e)* – Estimated *(i)* - Incomplete Total

Figure 1: May 2013 *Daily Maximum and Minimum Temperatures, Daily Average Dew Points and Precipitation* from the Baton Rouge Metro Airport ASOS.

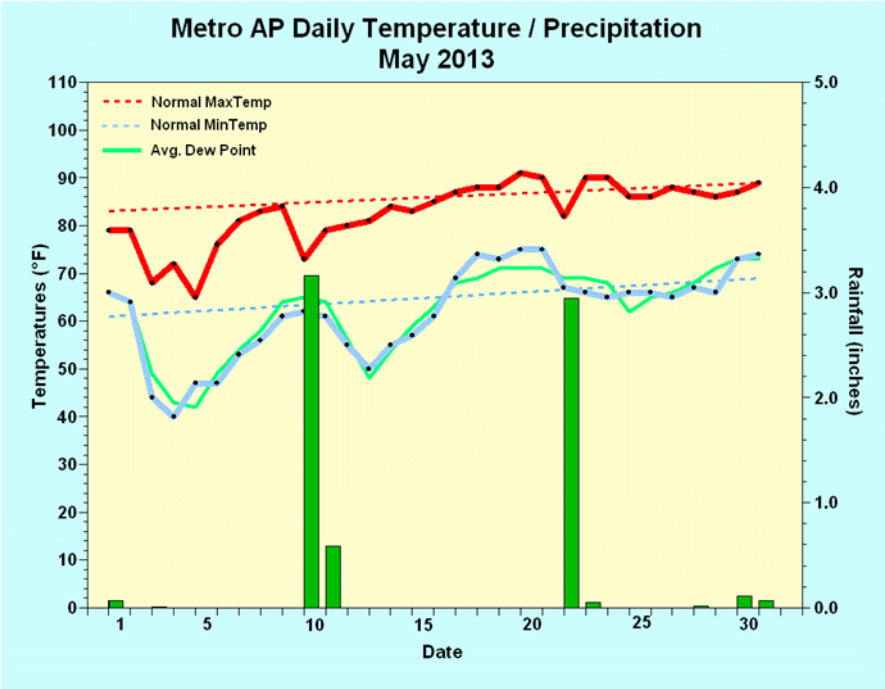
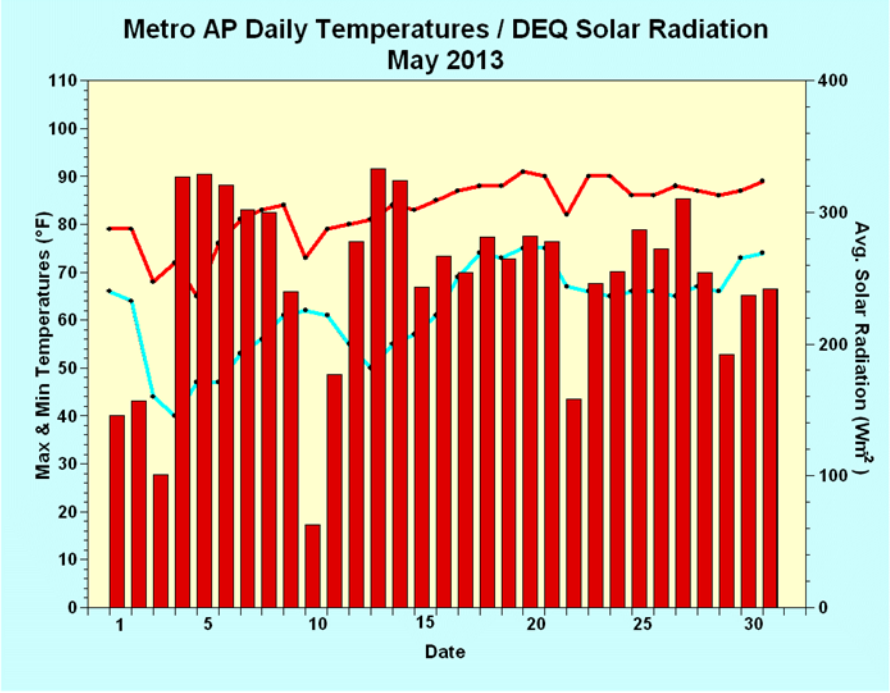


Figure 2: May 2013 *Daily Average Hourly Solar Radiation* as recorded at DEQ's Capitol site and *Daily Maximum and Minimum Temperatures* from the Baton Rouge Metro Airport ASOS.



Although May 2013 proved to be wetter-than-normal and had an above-average number of raindays, fair skies and sunshine were abundant throughout much of the month (Fig. 2 & Table 4c). According to Metro AP's ASOS, nearly half of all May days were "clear" to "mostly sunny" (assessed for daylight hours only). In fact, only four May days were deemed as "mostly cloudy" to "cloudy," with three of those days occurring during the first three days of the month.

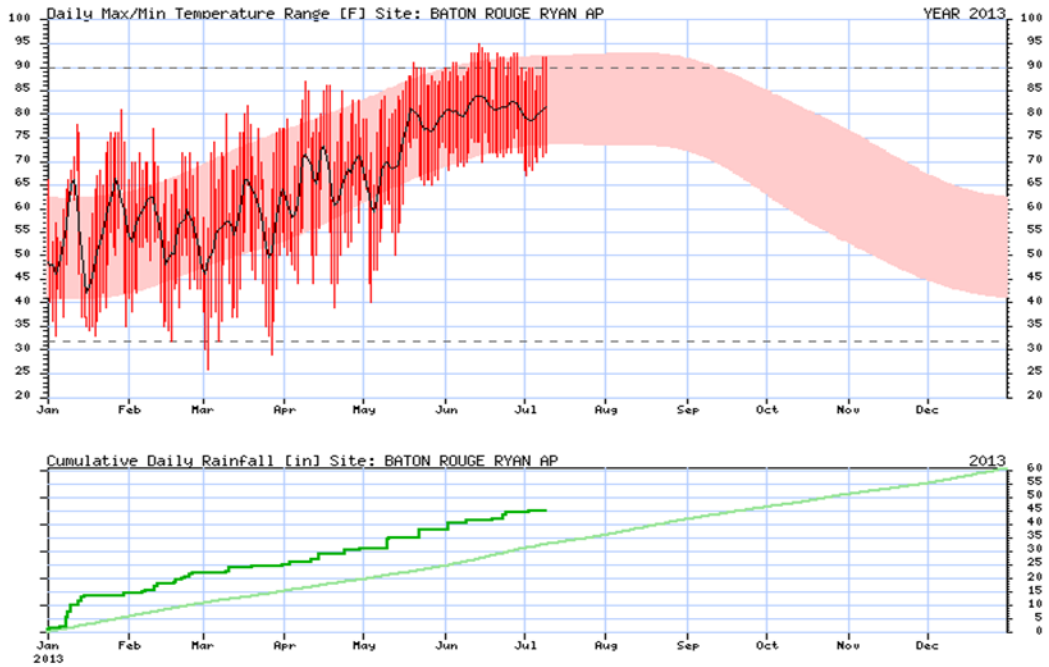
The ASOS detected thunderstorm activity on seven days during May, near average for the month. May's thunderstorm days were highlighted by the frontal rain periods of May 10th and May 22nd; thunderstorms were also detected on May 1, 11, 23, and 29.

Fog was noted on thirteen days during May, a bit below the 13-year median. "Heavy" fog (vis ≤ ¼ mi.) was reported on back-to-back May days -- May 22 & 23 -- both occurring in the early morning hours. In addition, there were four days -- May 7, 11, 22 & 23 -- with haze/smoke reported by the ASOS.

May 2013 daily winds at Metro Airport averaged 6.6 mph, equal to the 29-year May average according to the National Climatic Data Center (NCDC). Daily winds averaged above 10.0 mph on four dates -- May 17, 19, 20 & 21 -- all occurring during a run of "return flow" (winds off the Gulf). May 7th was the only day with "near calm" conditions during the month, with winds averaging just 2.4 mph that day, largely as a result of high pressure settled over the lower Mississippi Valley that day.

Daily peak sustained winds (lasting two minutes or more) topped 20 mph on 7 days during May, with the month's maximum sustained wind of 24 mph recorded on May 30th, generated by an afternoon thunderstorm. Peak daily gusts (5-second winds) topped 25 mph on nine May days, with the monthly peak gust of 30 mph recorded on May 23rd and again on May 30th.

Figure 3: 2013 Daily Temperature and Cumulative Rainfall for Baton Rouge Metro Airport compared to long-term averages (as of 10 July 2013).



Source: LSU Southern Regional Climate Center (*www.srcc.lsu.edu*)

Table 4: May 2013 additional reports and observations from the ASOS (Automated Surface Observing System) weather platform at Baton Rouge Metro Airport (BTR). (Data are preliminary.)

4a. Significant Weather.

No Days:	May 2013	Median*
Thunderstorms	7	6
"Heavy" Fog (Vis** ≤ ¼ mi.)	2	2
All Visibility*** (Vis** < 7.0 mi.)	14	18
Fog / Mist (Vis** < 7.0 mi.)	13	18
Smoke / Haze (Vis** < 7.0 mi.)	4	2

Median* - based on observations during 2000-2012 (13 years)
Vis** - Sensor Equivalent Visibility; Fog/Mist are distinguished from Haze/Smoke through evaluation of temperature and humidity at the time of observation
All Visibility*** - total number of days with any obstructions leading to At least one observation with Visibility estimated at less than 7 miles

4b. Average Daily Wind Speed.

May 2013	< 3.0 mph (Near Calm)	3.0 mph < 5.0 mph	5.0 mph < 10.0 mph	10.0 mph < 15.0 mph	≥ 15.0 mph
No. Days	1	8	18	4	0

4c. Average Sky Conditions (cloud-cover estimate to 12,000 ft) during "Daylight"

May 2013	Clear to Mostly Sunny (0/10ths – 3/10ths)	Partly Cloudy To Partly Sunny (4/10ths – 6/10ths)	Mostly Cloudy To Overcast (7/10ths – 10/10ths)
No. Days	14	13	4

4d. Solar/Lunar Summary

Sunrise-Sunset Durations: (excludes 'Civil Twilight')

May 1	May 15	May 31
13.4 hours	13.7 hours	14.0 hours

Moon Phases:

Last Quarter	New Moon	First Quarter	Full Moon
May 2 & 31	May 9	May 17	May 24

Table 5: May 2013 significant Preliminary 'Local Storm Reports' as posted by the NWS for the greater Baton Rouge metro area. (Final Reports available through the NWS.)

Date	Time (CDT)	Event	Location*	Parish
5 / 10	4:50 AM	1.0" Hail	Addis	WBR
5 / 10	5:08 PM	up to 1.0" Hail	Baton Rouge	EBR
5 / 10	5:38 AM	T-Storm Wind Damage	2 ESE Gonzales	ASC
5 / 22	5:35 AM	Flash Flooding	3 NE Jackson	EF

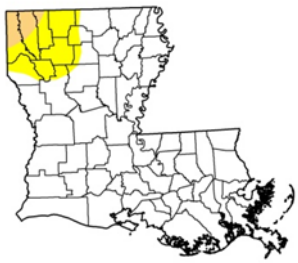
*Locations approximated in whole miles from town center

Table 6: May 2013 Watches, Warnings and Key Advisories issued for East Baton Rouge Parish.

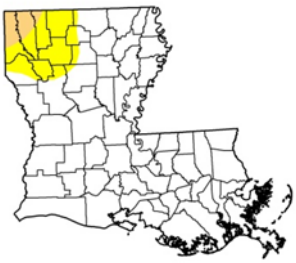
Date(s)	Event	Approx.Time in Effect (CDT)
5 / 1-3	Flash Flood Watch	4:11 AM - 4:02 AM
5 / 9-11	Flash Flood Watch	3:34 PM - 3:22 PM
5 / 10	Severe Thunderstorm Watch	2:25 AM - 9:12 AM
5 / 10	Severe Thunderstorm Warning	4:41 AM - 5:45 AM
5 / 11	Severe Thunderstorm Warning	5:15 AM - 5:45 AM
5 / 22	Flash Flood Warning	5:50 AM - 7:45 AM

Figure 4a-d: Louisiana's weekly ***U.S. Drought Monitor*** for May 2013.
Source: *http://drought.unl.edu/DM/*

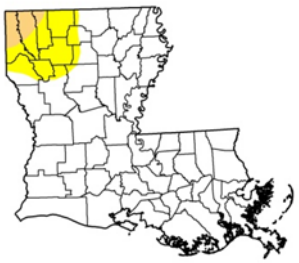
07 May 2013



14 May 2013



21 May 2013



28 May 2013

Above-normal rainfall kept the Baton Rouge metro area "wet" area throughout the month of May with respect to normal soil-moisture levels. By contrast, monthly rainfall was near-normal to below-normal for much of northern and western Louisiana. Note the modest expansion of "dry to drought" conditions in the state's northwestern corner as the month progressed.

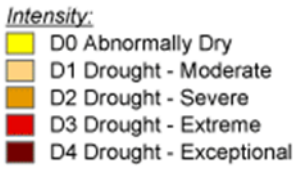
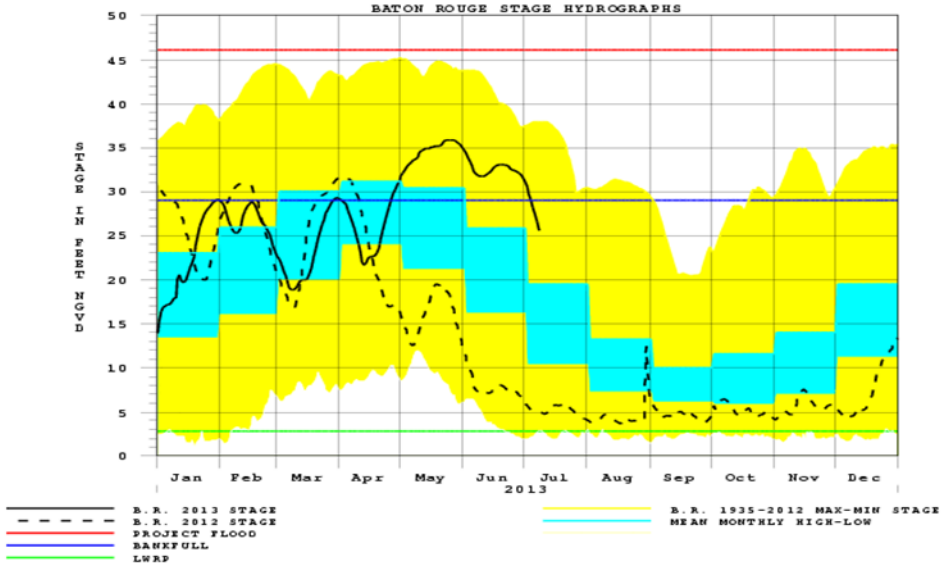


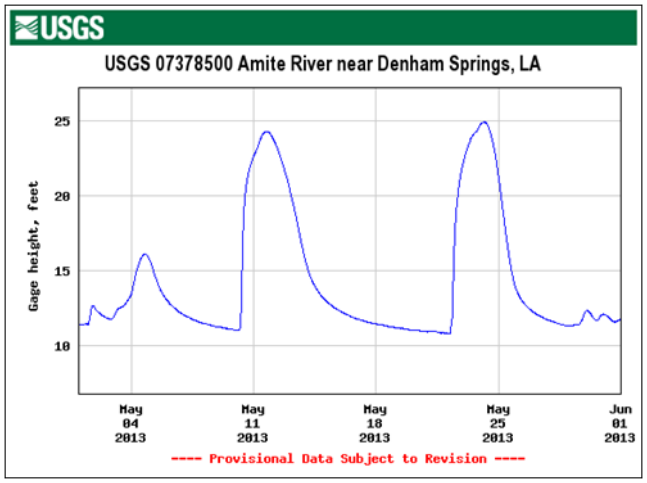
Figure 5: Mississippi River Daily Stage at Baton Rouge for 2013 (solid line) and 2012 (dashed line) as of 10 July 2013, with comparisons to long-term averages and extremes.

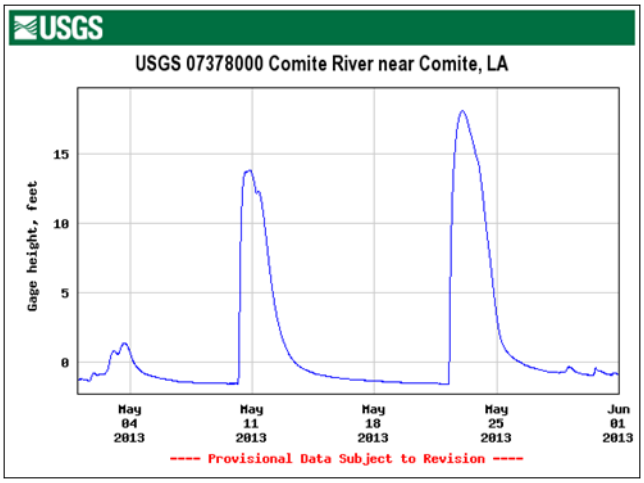


Source: *http://www.rivergages.com,* U.S. Army Corps of Engineers

The rise on the Mississippi River at Baton Rouge that began in mid-April 2013 slowed but continued through most of May, with the Baton Rouge gage rising above flood stage (35.0 ft) on May 15 and remaining near or above flood stage through the remainder of the month. The month's peak stage of 35.9 ft occurred on May 24th -- still far below a true flood threat given that flood stage for Baton Rouge fails to include the added protection provided by the levee system. However, seepage and "sand boiling" were minor problems for areas along the river and south of the Capital City.

Figure 6a-b: Daily river stages, Amite River near Denham Springs and Comite River near Comite (Joor Rd.) during May 2013.





Source: *USGS Louisiana Hydrowatch*.

The effects of May's two big rain events -- May 10-11 & May 22-23 -- are clearly evident on the hydrographs for the Amite near Denham Springs and the Comite near Joor Road. However, neither site saw rises approaching flood stage. Fortunately, the 11-day period between the month's two big rains was essentially rain-free, allowing both rivers to fall to near base-flow levels before the second rapid rise.

Acknowledgements:

- National Weather Service offices serving Louisiana
- LSU Southern Regional Climate Center (SRCC)
- Louisiana Office of State Climatology (LOSC)
- LSU AgCenter / LAIS AgWeather Monitoring Program
- CoCoRaHS Volunteer Network
- U.S. Drought Monitor (http://drought.unl.edu/DM/)
- NWS Climate Prediction Center (NWS/CPC)
- NWS Storm Prediction Center (NWS/SPC)
- NWS Weather Prediction Center (NWS/WPC)
- NOAA/National Climatic Data Center (NCDC)
- Iowa Environmental Mesonet (http://mesonet.agron.iastate.edu/)
- U.S. Geological Survey, Louisiana District (USGS)
- U.S. Army Corps of Engineers, New Orleans District (USACE)
- WAFB-TV (Ch. 9), Baton Rouge

Prepared by: Jay Grymes
WAFB-TV Chief Meteorologist & LSU AgCenter Climatologist
16 July 2013

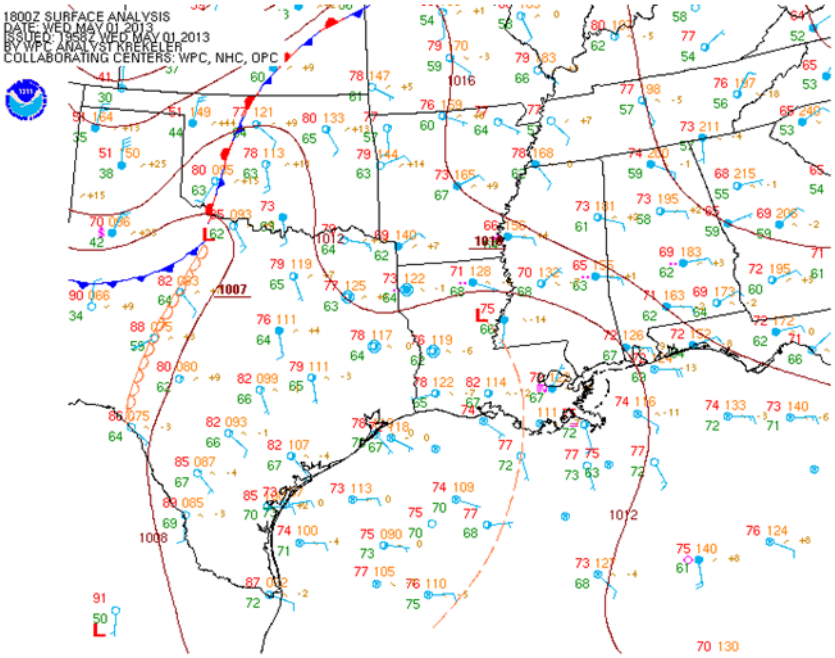
Appendix 1: May 2013 Daily Data from Baton Rouge Metro Airport

Date	Max Temp	Min Temp	Avg Temp	AvgT DFN	Avg. DewPt	Daily HDD	Daily CDD	Precip (in.)
1	79	66	73	+3	66	0	8	0.07”
2	79	64	72	+2	64	0	7	T
3	68	44	56	-14	49	9	0	0.01”
4	72	40*	56	-14	43	9	0	0
5	65*	47	56	-14	42	9	0	T
6	76	47	62	-9	49	3	0	0
7	81	53	67	-5	54	0	2	0
8	83	56	70	-3	58	0	5	0
9	84	61	73	0	64	0	8	0
10	73	62	68	-5	65	0	3	3.16”
11	79	61	70	-3	64	0	5	0.59”
12	80	55	68	-5	56	0	3	0
13	81	50	66	-7	48	0	1	0
14	84	55	70	-4	54	0	5	0
15	83	57	70	-4	59	0	5	T
16	85	61	73	-1	63	0	8	0
17	87	69	78	+4	68	0	13	0
18	88	74	81	+7	69	0	16	0
19	88	73	81	+6	71	0	16	0
20	91*	75*	83	+8	71	0	18	0
21	90	75*	83	+8	71	0	18	0
22	82	67	75	0	69	0	10	2.95”
23	90	66	78	+3	69	0	13	0.05”
24	90	65	78	+2	68	0	13	0
25	86	66	76	-1	62	0	11	0
26	86	66	76	-1	65	0	11	0
27	88	65	77	0	66	0	12	0
28	87	67	77	0	68	0	12	0.02”
29	86	66	76	-2	71	0	11	T
30	87	73	80	+2	73	0	15	0.11”
31	89	74	82	+4	73	0	17	0.07”
Avg. / Sum	82.8°	61.9°	72.4°	--	62.3°	30	266	7.03”
DFN / %Nrm	-3.4°	-3.3°	-3.3°	--	-3.7°	+28	-68	+2.14”

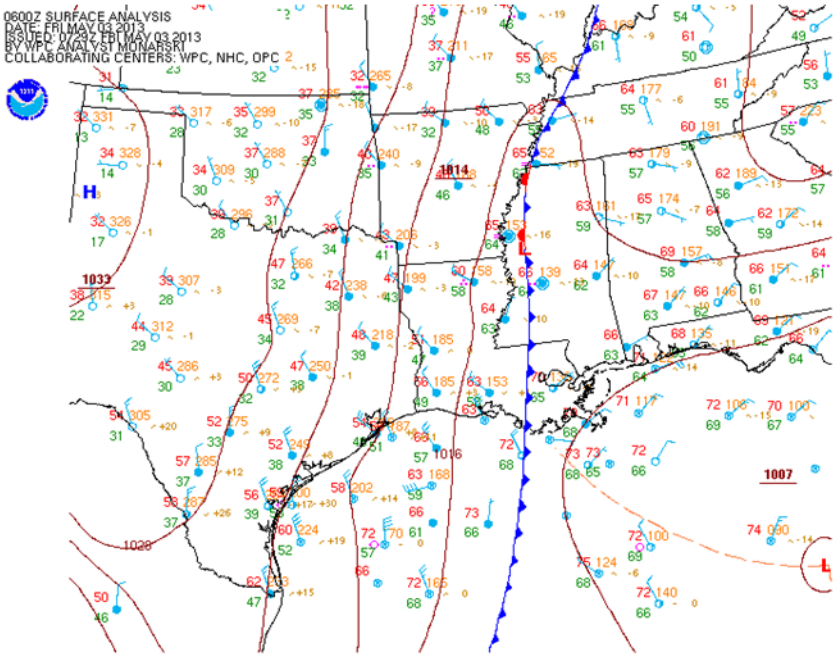
(*) - Highest/Lowest “T” – Trace; less than 0.01”

Appendix 2: Surface Weather Charts for May 2013's Significant Weather.

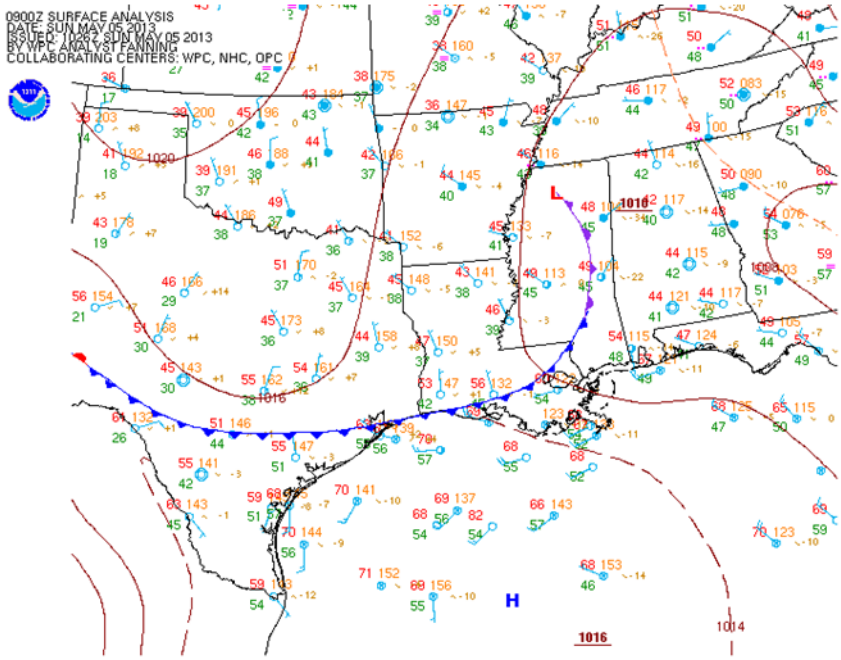
May 1: A surface low and associated trough over the southern parishes produced showers and t-storms, delivering mainly light to moderate rains across the metro area; Baton Rouge's Metro AP recorded less than 0.1" of rain.



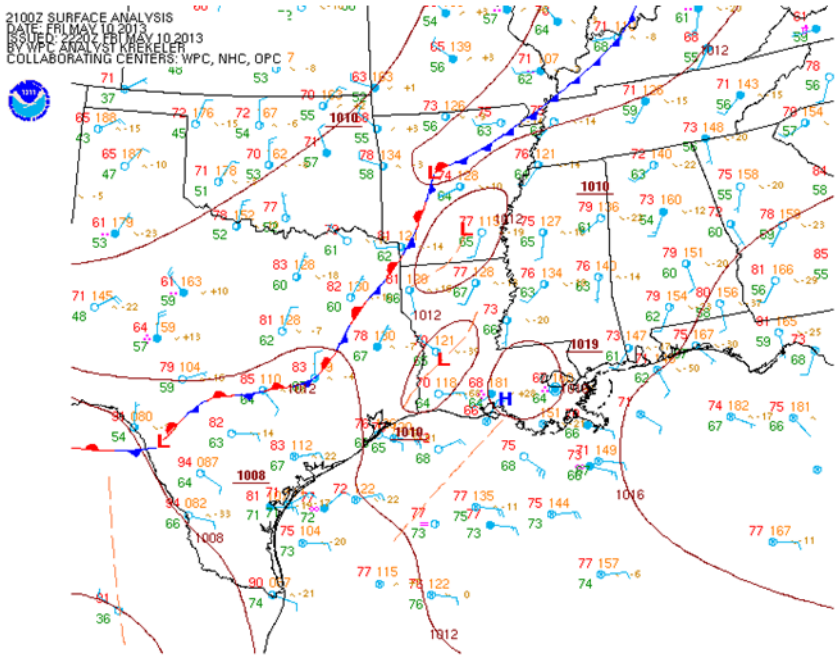
May 2-3: A cold front generated only light rains for most metro area locations but knocked down daytime highs about 10° or so between the 2nd and 3rd. The cooler and drier air mass behind the front also was responsible for May's monthly minimum of 40° on the morning of the 4th.



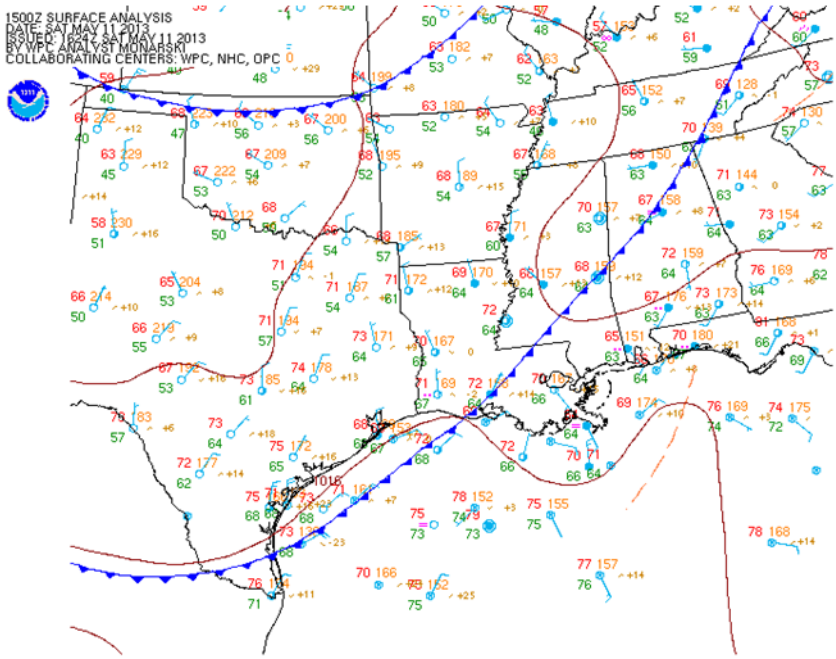
May 5: May's second cold front early on the 5th produced little in the way of rainfall but briefly provided the metro area with a reinforcing surge of cool and dry continental air.



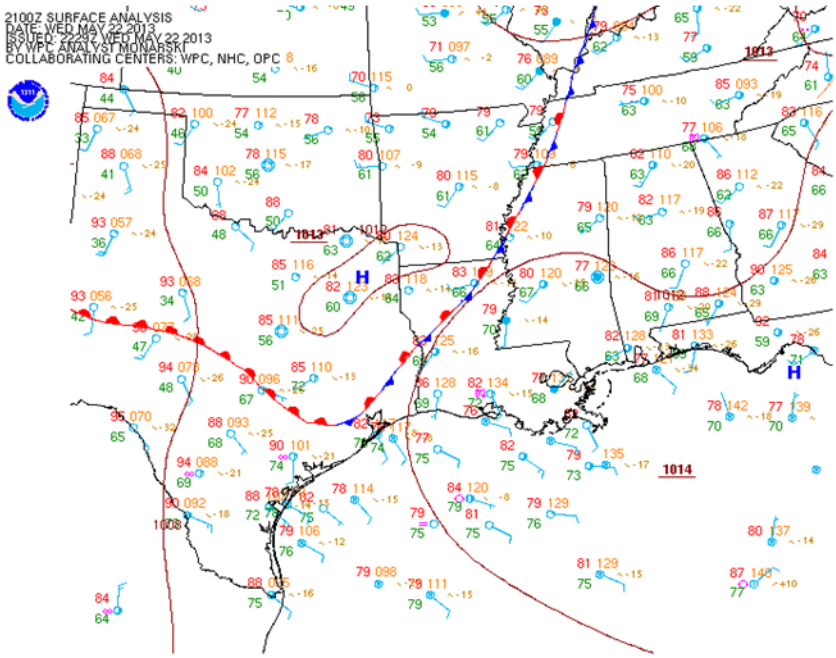
May 10: A series of small-scale disturbances moving across Louisiana ahead of an advancing cold front produced some of the metro area's most vigorous thunderstorms during May, prompting the NWS to post Watches and Warnings for the region. The heaviest storms arrived during the morning, with strong winds and hail (Tables 5 & 6).



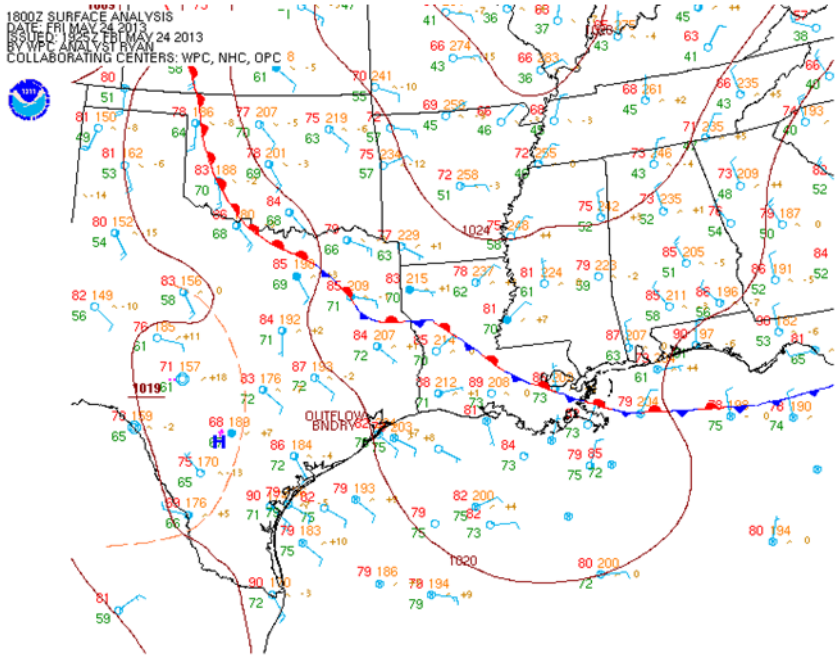
May 11: Following the active weather on the 10th, the cool front slowly moved through the metro area on the 11th, with frontal rains ending during the early morning hours and skies slowly clearing through the day. Metro AP reported 3.75" of rain for a two-day total (May 10-11).



May 22: May's second stormy period for the Baton Rouge metro area occurred on the morning of the 22nd as pre-frontal storms rolled through the area. This round of storms produced nearly 3" of rain at Metro AP and prompted the NWS to post a Flash Flood Watch for the region.



May 24: A weak "backdoor" cool front slipped into southeastern and south-central Louisiana early on the 24th and then stalled before "washing-out" that night. The front produced no significant rain but did deliver a slight drop in humidity as the continental air mass behind it filtered into the region.



*Jay Grymes, LSU AgCenter Climatologist and WAFB Chief Meteorologist, provides the climatology portion of this report as a free service to DEQ and the citizens of Louisiana.